

## ABSTRACT

A reactance adjuster includes an electrode (123) inducing an electric-field in an electric-field transmittable medium (121), an adjusting signal generation section (13) outputting alternately a high level or a low level signal to a resonance section (7), an electric-field detection section (15) generating an electric signal based on the electric-field in the medium (121), a first electric-charge storing means (C1) storing electric-charge according to the electric signal when the section (13) outputs a high level signal, a second electric-charge storing means (C2) storing electric-charge according to the electric signal when the section (13) outputs a low level signal, a voltage comparator (10) outputting a predetermined signal based on a voltage difference between the storing means, a control section (19) outputting a constant voltage when the first and the second storing means (C1, C2) are storing electric-charge and a voltage based on a predetermined signal when the storing ends.